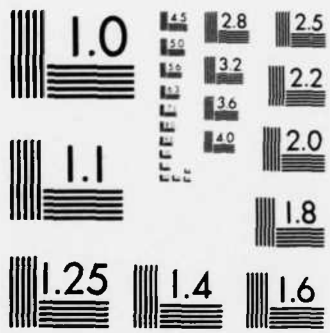
AD-B127 830L AUTOMATED MULTI-MEDIA EXCHANGE (AMME) SOFTWARE RELEASE 5014 LETTERKENNY A..(U) ARMY INFORMATION SYSTEMS ENGINEERING COMMAND FORT HUACHUCA AZ.. R G FRIAS 1/1

UNCLASSIFIED SEP 88 F/G 25/3 USGO



MICROCOPY RESOLUTION TEST CHART
NATIONAL BUREAU OF STANDARDS-1963-A

TR-085

PUBLICATION NUMBER ASB-TE-88-TR-085

AUTOMATED MULTI-MEDIA EXCHANGE (AMME) SOFTWARE RELEASE 5.0.1.4, LETTERKENNY ARMY DEPOT (LEAD), CHAMBERSBURG, PA

TEST REPORT

BY

RICHARD G. FRIAS

BASE INFORMATION SYSTEMS BRANCH
PROCESSING SYSTEMS DIVISION
TEST AND EVALUATION DIRECTORATE

U.S. ARMY
INFORMATION SYSTEMS ENGINEERING COMMAND
FORT HUACHUCA, ARIZONA 85613-5300

SEPTEMBER 1988

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Director U.S. Army Information Systems Software Development Center-Huachuca ATTN: ASBIH-DR Ft Huachuca, AZ 85613-5450	1
Commander U.S. Army Information Systems Command-LEAD ATTN: ASNC-LKY-DO/ASNC-LKY-DOLA Letterkenny Army Depot, Chambersburg, PA 17201	2

AUTOMATED MULTI-MEDIA EXCHANGE (AMME)
SOFTWARE RELEASE 5.0.1.4,
LETTERKENNY ARMY BASE (LEAD)
CHAMBERSBURG, PA

PUBLICATION NO. ASB-TE-88-TR-085

1. REFERENCES.

a. Defense Communications Agency Circular (DCAC) 370-D175-1, Defense Communication System (DCS) Automatic Digital Network (AUTODIN) Interface and Control Criteria, October 1970.

b. DCAC 370-D195-1, DCS AUTODIN Interface Category I Testing, 25 June 1970.

c. DCAC 370-D195-2, Requirements and Test Procedures for DCS AUTODIN Tempest Category II Certification, 1 March 1982.

d. DCAC 370-D195-3, DCS AUTODIN Category III Certification Test, March 1987.

e. DCAC 370-D70-30, DCS AUTODIN Switching Center and Tributary Operations, 29 August 1981.

f. Joint Army, Navy, Air Force Publication (JANAP) 128(I), Automatic Digital Network (AUTODIN) Operating Procedures, March 1983.

g. Automated Multi-Media Exchange (AMME) Test Plan, USAISESA Publication No. ASC-QA-85-TP-024, May 1985.

h. Communications Electronics Mission Order (CEMO) B-70-FUS-009, 1 June 1982.

i. General Services Administration (GSA) Contract DAEA26-86-D-0003, 23 January 1986.

j. Backside Category III Test Plan and Procedures for General Services Administration Electronic Services Division Communications System, USAISEC Publication No. ASB-TE-88-TP-076, July 1988.

k. Memorandum, USAISSDC-H, ASBIH-SMF (25xx), 10 June 1988, subject: Letterkenny AMME System Generation Specification (SGS-002-88).

l. Memorandum, USAISSDC-H, ASBIH-SMF (25xx), 24 June 1988, subject: Amendment 1 to Letterkenny AMME System Generation Specification (SGS-002-88).

m. Memorandum, USAISSDC-H, ASBIH-SMF (25xx), 9 August 1988, subject: Amendment 2 to Letterkenny AMME System Generation Specification (SGS-002-88).

n. Memoramdum, USAISSDC-H, ASBIH-SMF (25xx), 24 August 1988, subject: Amendment 3 to Letterkeny AMME System Generation Specification (SGS-002-88).

o. Engineering Installation Package (EIP) for the Upgrade of Automated Multi-Media Exchange (AMME) Patch and Test Facility (PTF) at Letterkenny Army Depot (LEAD), PA, EIP No. H7EW044, undated.

2. STATEMENT OF THE TASK. This report delineates results of the following:

a. On-site Quality Assurance (QA) and hardware acceptance test of the Letterkenny Army Depot (LEAD) Automated Multi-Media Exchange (AMME), Government Furnished Equipment (GFE), and Contractor Furnished Equipment (CFE), relative to the LEAD AMME hardware upgrade.

b. On-site QA and acceptance test of the LEAD AMME 5.0.1.4 system.

c. Formal Defense Communications Agency (DCA) Category III certification testing of the General Services Administration (GSA) Wang backside terminal off the LEAD AMME 5.0.1.4 system.

d. Formal DCA Category III certification testing of the LEAD AMME 5.0.1.4 system/Automatic Digital Network (AUTODIN) interface at 4800 baud.

3. BACKGROUND.

a. The LEAD AMME 5.0.1.4 system is installed in building 3, LEAD, Chambersburg, PA. This AMME system, as currently configured at LEAD, provides the Operating and Maintenance (O&M) Command with the capability of processing narrative and data message traffic to/from backside terminals/systems, Over-The-Counter (OTC), and the Defense Communications System (DCS) AUTODIN in Language Media Formats (LMF's) A, T, C, B, and D, as applicable.

b. The LEAD AMME 5.0.1.4 system is dual-homed to Automatic Switching Centers (ASC's) Fort Detrick, MD, and Hancock Field, Syracuse, NY, at 4800 and 2400 baud respectively.

c. The GSA Wang is a backside terminal off the LEAD AMME. This terminal is physically located at the GSA Disaster Reporting Center, Hagerstown, MD.

d. The LEAD AMME/GSA Wang interface and the LEAD AMME/AUTODIN 4800 baud interface were not previously DCA Category III certified as a part of an AMME 5.0.1.x system. Therefore, both interfaces required DCA certification for on-line operations into the DCS AUTODIN.

e. Category III certification testing, as defined by the DCA, ensures that new or modified message processing systems perform In Accordance With (IAW) approved operational documents and do not adversely affect the message processing/switching functions of the DCS AUTODIN. To be certified as a message processing system of the DCS AUTODIN, DCA Category III certification testing must evaluate the adequacy of the hardware, software, documentation, and operator proficiency.

f. The term "backside" as used throughout this document refers to a communications terminal or system indirectly connected to DCS AUTODIN via an electrical interface to a host automated communications terminal that is either directly or indirectly connected to DCS AUTODIN. The AMME (host) system (direct connect) provides DCS AUTODIN interface in support of backside terminals/systems and OTC service.

4. RESPONSIBILITIES.

a. The U.S. Army Information Systems Engineering Command, Test and Evaluation Directorate (USAISEC, TED), Fort Huachuca, AZ, was responsible for initiating, conducting, monitoring, evaluating, and reporting system test results, and for submitting a final test report.

b. The U.S. Army Information Systems Software Development Center-Huachuca (USAISSDC-H), Fort Huachuca, AZ, was responsible for providing the software requirements, programming support, design specifications, functional specifications, and technical guidance.

c. The U.S. Army Communications-Electronics Installation Battalion (USACEI Bn) was responsible for Quality Control (QC) and installation of the LEAD AMME 5.0 GFE.

d. Universal Information Systems Corporation (UNISYS) was responsible for installation of the LEAD AMME 5.0 CFE, and for providing programming/technical support during the test and implementation of AMME software release 5.0.1.4 at LEAD.

e. The O&M Command was responsible for providing administrative and maintenance support for the test and implementation team, operators for acceptance testing, and witnessing of the final acceptance test.

5. SUMMARY OF RESULTS.

a. On-site QA and hardware Acceptance Testing of the LEAD AMME 5.0. GFE and CFE was conducted during the period 9-22 June 1988. QA and Acceptance Testing of the GFE was conducted IAW section 7 and appendix E of reference 1o. QA and hardware Acceptance Testing of the CFE was conducted IAW section 3 of reference 1g. The Technical Acceptance Recommendation (TAR) at appendix A documents two "exceptions" and the material as provided, installed, and tested for this project. The original TAR is retained in the project files at USAISEC.

b. On-site QA and Acceptance Testing of the LEAD AMME 5.0.1.4 system was conducted IAW reference 1g during the period 16 August - 1 September 1988. The TAR at appendix B documents three exceptions and the material as provided, installed, and tested for this project. The original TAR is retained in the project files at USAISEC.

c. Formal DCA category III certification testing of the LEAD AMME/GSA Wang interface was conducted by the DCA Test Director on 24 August 1988. Preliminary and final DCA certification testing of this interface was conducted IAW the test procedures delineated in reference 1j.

d. Formal DCA category III certification testing of the LEAD AMME/AUTODIN 4800 baud interface was conducted at the LEAD AMME facility on 25 August 1988. The following results of the line efficiency tests at 4800 baud were achieved:

(1) Half Duplex --- Transmit - 84 percent
Receive - 80 percent

(2) Full Duplex --- Transmit - 80 percent
Receive - 77 percent.

6. CONCLUSIONS.

a. Initial Operating Capability (IOC) and Final Operating Capability (FOC) were established on conclusion of final test and evaluation when the LEAD AMME 5.0.1.4 system was activated for on-line operation into the DCS AUTODIN at 1919 Greenwich mean time, 1 September 1988.

b. All CFE hardware exceptions listed on page 4 of the TAR at appendix A were corrected by the contractor and verified by the O&M Command prior to arrival of the test and implementation team. Verification of those exceptions was conducted by this command during the period 16-31 August 1988.

c. There were no problems identified by the DCA Test Director during DCA Category III certification testing of the LEAD AMME 5.0.1.4/GSA Wang interface.

d. Based on the low 4800 baud line efficiency test results delineated in paragraph 5d, the LEAD AMME 5.0.1.4 system was awarded a DCA Conditional Test Certificate. IAW reference 1d, the line efficiency for transmit and receive must be at least ninety percent. Lower efficiency indicates excessive hardware or software delay. Consequently, the hardware or software must be improved or the operational line speed lowered until the terminal can operate at an efficiency of ninety percent or greater. This problem has been identifed as an exception on page 4, paragraph 2 of the TAR at appendix B. This command's Test Engineer has designated the USAISSDC-H, as the suggested action agency responsible for resolving the exception. (See Memorandum at appendix C).

e. The O&M Command is responsible for resolving the exceptions delineated in paragraphs 1 and 3 on page 4 of the TAR at appendix B and for reporting the test results to USAISEC. A copy of the applicable test steps were left on site with the LEAD AMME Officer in Charge (OIC).

f. Through test and evaluation of this AMME project, IAW the operational and technical requirements specified in references 1a through 1o, it was determined by this command that the following were technically suitable for issue and acceptance by the user.

(1) The LEAD AMME 5.0.1.4 system/AUTODIN interface at 2400 and 4800 baud.

(2) The LEAD AMME/GSA Wang interface.

7. RECOMMENDATIONS.

a. Acceptance of the LEAD AMME 5.0.1.4 system for on-line operation into the DCS AUTODIN at 2400 baud.

b. Acceptance of the LEAD AMME/GSA Wang interface for on-line operation to the DCS AUTODIN via the LEAD AMME 5.0.1.4 system.

c. Conditional acceptance of the LEAD AMME 5.0.1.4/AUTODIN 4800 baud interface.

APPENDIX A

TECHNICAL ACCEPTANCE RECOMMENDATION

TECHNICAL ACCEPTANCE RECOMMENDATION (DOCUMENTATION)	PAGE 2 OF 6 PAGES
	TITLE LEAD AMME 5.0 Hardware Upgrade

PROJECT DOCUMENTATION PROVIDED

DOCUMENT NUMBER	TITLE OF DOCUMENT	NO. OF COPIES
	None	

TECHNICAL ACCEPTANCE RECOMMENDATION (INSTALLED EQUIPMENT)	PAGE 3 OF 6 PAGES
	TITLE LEAD AMME 5.0 Hardware Upgrade

MAJOR EQUIPMENT/SOFTWARE INSTALLED/RELOCATED/LOADED

BOM NO.	DESCRIPTION	PN/NSN	QUANTITY
	Contractor Furnished Equipment		
	Printer High Speed (Serial No. 0797)	0768-02	1
	Tape Cassette System (Serial Nos. 8281 and 9227)	0866-02	2
	Dist Communications Processor (Serial Nos 3528 and 3406)	8579-03	2
	Disc Drive (Serial Nos. 1703 and 1708)	8425-00	2
	Mini Comm to Milt Adapt (Serial Nos. 194, 196, and 1195	8592-00	3
	Scanner II (Serial Nos. 4425 and 4378)	1928-03	2
	Government Furnished Equipment		
	Modem Bay Cabinet (Serial Nos. 79 and 100)	SAAD-D-40624	2

TECHNICAL ACCEPTANCE RECOMMENDATION (EXCEPTIONS)	PAGE 4 OF 6 PAGES
	TITLE LEAD AMME 5.0 Hardware Upgrade

EXCEPTION	SUGGESTED ACTION AGENCY
1. Functional tests of the installed LEAD AMME 5.0 GFE and CFE hardware as a complete system was not accomplished by the USAISEC test engineer due to time constraints.	USAISC-LEAD
2. The two AUTODIN circuits were correctly wired by USACEI Bn in accordance with Engineering Installation Package (EIP) No. H7EW044 as 00/01 (ASC Hancock), and 02/03 (ASC Detrick); however, the EIP was in error. The AUTODIN circuits should have been wired as 00/01 (ASC Detrick), and 02/03 (ASC Hancock), respectively. Per telephone conversation between Mr. R. Frias, USAISEC, and Mr. P. Collazo, Software Development Center-Huachuca (SDC-H), 21 Jun 88, the wiring problem can be corrected by a software change. Per discussion, SDC-H will change the LEAD AMME 5.0 System Generation Specification (SGS) and the LEAD AMME 5.0 software accordingly.	SDC-H

TECHNICAL ACCEPTANCE RECOMMENDATION (REMARKS)	PAGE 5 OF 6 PAGES
	TITLE LEAD AMME 5.0 Hardware Upgrade

REMARKS

1. This Technical Acceptance Recommendation (TAR) does not constitute official acceptance of the project but does certify that the major items installed are as stated. It further certifies that the project has been installed and performs satisfactorily, in accordance with (IAW) the requirements, except as noted under the exceptions listed on page 4 of this TAR. The exceptions listed on page 4 has no impact on the LEAD AMME 4.8 operating system.

2. Quality assurance and acceptance testing of the LEAD AMME 5.0 Government Furnished Equipment (GFE) was conducted IAW the Engineering Installation Package (EIP) for the Upgrade of AMME Patch and Test Facilities (PTF) at LEAD, PA, EIP No. H7EW044, undated.

3. Hardware acceptance testing of the LEAD AMME 5.0 Contractor Furnished Equipment (CFE) was conducted IAW Section 3 of the Automated Multi-Media Exchange (AMME) Test Plan, USAISESA Publication No. ASC-QA-85-TP-024, May 1985.

4. USAISC-LEAD is aware of the exceptions listed on page 4 and has agreed to conditionally accept the GFE and CFE as installed to preclude slippage in the established milestones for software implementation and DCA Category III test schedule. USAISC-LEAD also has agreed to perform the functional test of the LEAD AMME 5.0 system on behalf of USAISEC. However, the Director, Operations and Integration, USAISC-LEAD, Mr. R. Bukovec, has stated that USAISC-LEAD does not have the resources nor will they assume the responsibility for correcting any problems associated with the LEAD AMME 5.0 GFE installation.

5. Per telephone conversation between Mr. S. Takenaka, USAISEC, and Sgt. Wilson, SDC-H New Equipment Training Team (NETT), 21 Jun 88, NETT has agreed to allow USAISC-LEAD off-line system time to conduct test and debug of the AMME 5.0 CFE and GFE concurrently with the NETT AMME 5.0 operators course.

6. Request USAISC-LEAD report results of the functional tests to the test engineer Mr. R. Frias, USAISEC, AUTOVON 879-7654.

7. USAISC-LEAD, Unisys on-site programmer Mr. C. Wilson, and the USACEI Bn Team Chief, SFC E. Arlington, provided excellent test support.

TECHNICAL ACCEPTANCE RECOMMENDATION (COORDINATION)	PAGE 6 OF 6 PAGES TITLE LEAD AMME 5.0 Hardware Upgrade

Installation has been completed ~~(without)~~ (with noted) exceptions and assistance provided as required for conduct of Acceptance Tests.

INSTALLATION ELEMENT	SIGNATURE Edward E. Arlington
USACEI Bn ATTN: ASBHB-BP Ft Huachuca, AZ 85613-5000	PRINTED NAME AND TITLE Edward E. Arlington USA, SFC, Team Chief

Acceptance Tests and Quality Assurance are complete for the equipment/software installed under this project. Technical acceptance (is) (~~is not~~) recommended.

TEST ELEMENT	SIGNATURE Richard G. Frias
USAISEC ATTN: ASB-TEP-B Ft Huachuca, AZ 85613-5300	PRINTED NAME AND TITLE Richard G. Frias Test Engineer

Installation and Acceptance Tests have been observed or monitored and this form has been coordinated as specified below.

SOFTWARE ELEMENT (WHEN APPLICABLE)	SIGNATURE Clyde R Wilson
Unisys (Participant) 4226 Avenida Cochise Sierra Vista, AZ 85635	PRINTED NAME AND TITLE C. R. Wilson Applications Analyst
OTHER APPLICABLE ELEMENT (IDENTIFY)	SIGNATURE Ronald S Groff
Unisys (Participant) 1035 Mumma Road (Pennsboro Center) Wormleysburg, PA 17043	PRINTED NAME AND TITLE Ronald S. Groff Customer Service Engineer
OPERATING UNIT (SITE)	SIGNATURE Lester B. Kieffer
USAISC-LEAD ATTN: ASNC-LKY-DOLA Chambersburg, PA 17201	PRINTED NAME AND TITLE Lester B. Kieffer Act Ch, Opns Div
OPERATING COMMAND	SIGNATURE Robert F. Bukovec
DIR USAISC-LEAD ATTN: ASNC-LKY-DO Chambersburg, PA 17201	PRINTED NAME AND TITLE Robert F. Bukovec Dir Opns & Integr

APPENDIX B

TECHNICAL ACCEPTANCE RECOMMENDATION

TECHNICAL ACCEPTANCE RECOMMENDATION (SUMMARY) (CCCR-702-2)		PAGE 1 OF 6 PAGES DATE (DAY, MO, YEAR) 2 September 1988
PROJECT/CONTRACT NO. DAEA26-86-D-0003	TITLE LEAD AMME 5.0.1.4	LOCATION Letterkenny Army Depot Chambersburg, PA 17201

FACILITY LEAD AMME	TEST DIRECTOR Richard G. Frias
OPERATING UNIT USAISC-LEAD ATTN: ASNC-LKY-DOLA Chambersburg, PA 17201	ENGINEERING ELEMENT N/A
INSTALLATION ELEMENT USAISSDC-H ATTN: ASBIH-CSC Ft Huachuca, AZ 85613-5450	TESTING ELEMENT USAISEC ATTN: ASB-TEP-B Ft Huachuca, AZ 85613-5300
SOFTWARE ELEMENT (WHEN APPLICABLE) USAISSDC-H ATTN: ASBIH-CSC Ft Huachuca, AZ 85613-5450	OTHER ELEMENT/PARTICIPANT/WITNESS/OBSERVER (IDENTIFY) UNISYS Corporation (Participant) 4226 Avineda Cochise Sierra Vista, AZ 85635

PROJECT DESCRIPTION (MAY BE CONTINUED IN REMARKS)

To conduct onsite test and implementation of the LEAD AMME 5.0.1.4 system and preliminary/final DCA Category III certification testing of the LEAD AMME/GSA WANG interface, and the LEAD AMME/AUTODIN interface at 4800 baud.

This Technical Acceptance Recommendation is executed by the onsite representatives of the installation, test and operating agencies. It does not constitute official acceptance of the project but does certify that the MAJOR ITEMS INSTALLED AND DOCUMENTATION PROVIDED are as stated herein. This document further certifies that the project has been installed and performs satisfactorily in accordance with the requirements listed under REFERENCES except as noted under EXCEPTIONS and REMARKS. Upon execution of this TECHNICAL ACCEPTANCE RECOMMENDATION, USACEEIA considers this project complete except for such follow-on action as may be necessary to clear the EXCEPTIONS stated herein.

TECHNICAL ACCEPTANCE RECOMMENDATION (INSTALLED EQUIPMENT)	PAGE 2 OF 6 PAGES
	TITLE LEAD AMME 5.0.1.4

MAJOR EQUIPMENT/SOFTWARE INSTALLED/RELOCATED/LOADED

BCM NO.	DESCRIPTION	PN/NSN	QUANTITY
N/A	AMME Software Release 5.0.1.4 (Installed)	N/A	1

DD FORM 1494-TED FM 98-R (Continued)
(Rev 15 May 82) Previous edition 1 Jan 79 may be used until exhausted.

TECHNICAL ACCEPTANCE RECOMMENDATION (DOCUMENTATION)	PAGE 3 OF 6 PAGES
	TITLE LEAD AMME 5.0.1.4

PROJECT DOCUMENTATION PROVIDED

DOCUMENT NUMBER	TITLE OF DOCUMENT	NO. OF COPIES
ASISM 25-19-4	Information Management, United States Army Telecommunications Automation Program (ATCAP), Automated Multi-Media Exchange (AMME) (Software Release 5.0), Operator Instruction Manual Volume II-B, 05 February 1988.	2

TECHNICAL ACCEPTANCE RECOMMENDATION (EXCEPTIONS)	PAGE 4 OF 6 PAGES
	TITLE LEAD AMME 5.0.1.4

EXCEPTION	SUGGESTED ACTION AGENCY
1. The two remote terminals identified below were not tested with the LEAD AMME 5.0.1.4 system due to non availability of an operator at the terminal end of the circuit. The Operational and Maintenance (O&M) Command (USAISC-LEAD), will be responsible for resolving this exception. BNGM - SRT MART, Selfridge ANGB, MI BNBF - SRT MART, West Palm Beach, FL	USAISC-LEAD
2. The LEAD AMME 5.0.1.4 system was awarded a "conditional" DCA Category III certification on 25 Aug 88, for on-line operation into the DCS AUTODIN at 4800 baud.	USAISSDC-H
3. The UNISYS Model 0716 Card Reader was received at the LEAD AMME Facility on 1 Sep 88. UNISYS Corporation will install this peripheral device at a later date. The O&M Command will be responsible for conducting the hardware acceptance test on behalf of USAISEC. A copy of the test plan was provided to Mr. Kieffer on 2 Sep 88. Request USAISC-LEAD provide serial number and test results to: CDRUSAISEC ATTN: ASB-TEP-B (Mr. R. Frias) Ft Huachuca, AZ 85613-5300	USAISC-LEAD

TECHNICAL ACCEPTANCE RECOMMENDATION (REMARKS)	PAGE 5 OF 6 PAGES
	TITLE LEAD AMME 5.0.1.4

REMARKS

1. This Technical Acceptance Recommendation (TAR) does not constitute official acceptance of this project but does certify that the major items installed are as stated. It further certifies that the project has been installed and performs satisfactorily, in accordance with (IAW) the requirements, except as noted under the exceptions listed on page 4 of this TAR.

2. Quality Assurance (QA) and acceptance testing of the LEAD AMME 5.0.1.4 system was conducted IAW the Automated Multi-Media Exchange (AMME) Test Plan, USAISESA Publication No. ASC-QA-85-T?-024, May 85.

3. DF, ASNC-LKY-DOLA, 30 Aug 88, subject: Review of AMME 5.0.1.4 Circuit Configuration Report, is attached to this TAR as enclosure 1 for informational purposes only. This DF reflects the LEAD AMME 5.0.1.4 configuration as of 30 Aug 88. The LEAD AMME 5.0.1.4 system is configured as stated therein.

4. A copy of the following printouts from the LEAD AMME 5.0.1.4 "live" system are provided for informational purposes as enclosures 2, 3, and 4, respectively:

(1) AMME Circuit Configuration
(2) Availability Display
(3) Alt-route Status Report

5. All exceptions identified in the Hardware Acceptance TAR dated 22 Jun 88, were reverified during the test and implementation of the LEAD AMME 5.0.1.4 system. Those exceptions are considered closed.

6. The GSA WANG terminal at Hagerstown, MD, was awarded DCA Category III certification on 24 Aug 88, for on-line operation into the DCS AUTODIN via the LEAD AMME 5.0.1.4 system.

7. The LEAD AMME 5.0.1.4 system was awarded a "conditional" DCA Category III certification on 25 Aug 88, for on-line operation into the DCS AUTODIN at 4800 baud. Details of the conditional certification will be provided by DCA Washington at a later date. This discrepancy is documented as an exception to this TAR pending corrective action by USAISSDC-H, Ft Huachuca, AZ.

8. Operator proficiency in the operation of the LEAD AMME 5.0.1.4 system was observed during the test and implementation period 16 Aug - 2 Sep 88. There are a sufficient number of O&M AMME operators to effectively operate the LEAD AMME 5.0.1.4 system.

9. The exceptions listed on page 4 of this TAR may have a minor impact on the LEAD AMME 5.0.1.4 operating system.

10. Initial Operating Capability (IOC) of the LEAD AMME 5.0.1.4 system was achieved at 1919 Greenwich Mean Time (GMT), 1 Sep 88.

TECHNICAL ACCEPTANCE RECOMMENDATION (COORDINATION)	PAGE 6 OF 6 PAGES
	TITLE LEAD AMME 5.0.1.4

Installation has been completed ~~(without)~~ (with noted) exceptions and assistance provided as required for conduct of Acceptance Tests.

INSTALLATION ELEMENT	SIGNATURE
USAISSDC-H ATTN: ASBIH-CSC Ft Huachuca, AZ 85613-5450	PRINTED NAME AND TITLE Alan P. Libasci Computer Systems Programmer

Acceptance Tests and Quality Assurance are complete for the equipment/software installed under this project. Technical acceptance (is) ~~(is not)~~ recommended.

TEST ELEMENT	SIGNATURE
USAISEC ATTN: ASB-TEP-B Ft Huachuca, AZ 85613-5300	PRINTED NAME AND TITLE Richard G. Frias Test Engineer

Installation and Acceptance Tests have been observed or monitored and this form has been coordinated as specified below.

SOFTWARE ELEMENT (WHEN APPLICABLE)	SIGNATURE
USAISSDC-H ATTN: ASBIH-CSC Ft Huachuca, AZ 85613-5450	PRINTED NAME AND TITLE Alan P. Libasci Computer Systems Programmer
OTHER APPLICABLE ELEMENT (IDENTIFY)	SIGNATURE
UNISYS Corporation (Participant) 4226 Avineda Cochise Sierra Vista, AZ 85635	PRINTED NAME AND TITLE Clyde R. Wilson Applications Analyst
OPERATING UNIT (SITE)	SIGNATURE
USAISC-LEAD ATTN: ASNC-LKY-DOLA Chambersburg, PA 17201	PRINTED NAME AND TITLE Lester B. Kieffer Act Ch, Opns Div
OPERATING COMMAND	SIGNATURE
Dir, USAISC-LEAD ATTN: ASNC-LKY-DO Chambersburg, PA 17201	PRINTED NAME AND TITLE Robert F. Bukovec Dir Opns & Integr

USACEEIA-TED FM 98-R (Continued)
(Rev 15 May 82) Previous edition 1 Jan 79 may be used until exhausted.

SPOSITION FORM

f this form, see AR 340-15; the proponent agency is TAGO.

E OR OFFICE SYMBOL	SUBJECT
Y-DOLA	Review of AMME 5.0.1.4 Circuit Configuration Report

ander SSDC-H : ASBIH-H uachuca, AZ 85613	FROM OIC, AMME TCC Letterkenny Army Depot Chambersburg, PA 17201	DATE 30 AUG 1988	CMT 1 /570-8311

ave reviewed the attached AMME 5.0.1.4 Software Release Circuit Configuration Report
icur with all LMF's, Security assignments, Circuit Options and System Options.

understand that any changes to our circuit security levels must be reported to
uachuca, AZ.

C is Mr. Lester B. Kieffer, ASNC-LKY-DOLA, AV 570-8311/8312.

LESTER B. KIEFFER
OIC, AMME TCC

CL 1

ORM 2496 PREVIOUS EDITIONS WILL BE USED

GPO : 1987 O - 172-428

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									11						
RNRV	35	A,T,C	T	03	0A	00	01/03	4A	02	04	05	0001	9999	9999	
									06	08	10				
									11						
RNSS	36	A,T,C	T	03	0A	00	01/03	3C	02	04	05	0001	9999	9999	
									06	08	10				
									11						
RNPR	37	A,T,C	T	03	0A	00	01/03	44	02	04	05	0001	9999	9999	
									06	08	10				
									11						
BGHM	38	A	S	03	0A	00	01/03	38	02	06	08	0001	9999	9999	
									10	11					
BNRV	39	A	U	03	0A	00	01/03	4G	02	04	06	0001	9999	9999	
									08	10	11				
SBRH	42	A,T,C	U	FF	FF	00	01/01					0001	9999	9999	
BNLA	44	A,T,C,B,D	T,B	03	0A	00	01/03	1E	02	04	06	0001	9999	9999	
									08	10	11				
BN8F	45	A,T,C	S	03	0A	00	01/03	46	02	05	06	0001	9999	9999	
									08	10	11				
AUEO	46	A,T,C,B,D	T,B	03	0A	00	01/03	00	10			0001	9999	9999	
AUED	47	A,T,C,B,D	T,B	03	0A	00	01/03	02	10			0001	9999	9999	
RNEM	48	T,C	T,B	03	0A	00	01/03	4C	02	04	05	0001	9999	9999	
									06	08	10				
									11						
RNCA	49	A,T,C	T	03	0A	00	01/03	50	02	04	05	0001	9999	9999	
									06	08	10				
									11						
RMTN	51	T,C	U	03	0A	00	01/03	2E	02	05	08	0001	9999	9999	
									10	11					
RDSO	52	T,C	U	03	0A	00	01/03	32	02	05	08	0001	9999	9999	
									10	11					
RSRA	53	A,T,C	T,B	03	0A	00	01/03	20	02	05		0001	9999	C035	
RNFI	54	A,T,C	T	03	0A	00	01/03	3A	02	04	05	0001	9999	9999	
									06	08	10				
									11						
SLEE	55	C,B,D	T,B	FF	FF	00	01/01					0001	9999	9999	
SLEF	56	C,B,D	T	FF	FF	00	01/01					0001	9999	9999	
SLEG	57	C,B,D	T	FF	FF	00	01/01					0001	9999	9999	
SLEH	58	C,B,D	T	FF	FF	00	01/01					0001	9999	9999	
SLEI	59	C,B,D	T	FF	FF	00	01/01					0001	9999	9999	
STFM	60	A,T,C,B,D	T,A	FF	FF	00	01/01					0001	9999	9999	
QCAR	61	A,T,C	T,B	03	01	FF	01/03					0001	9999	9999	

CIRCUIT OPTION LIST

01	GENSVLOW	= GEN SVC PRIORITY MSG & BELOW
02	NARRCMBK	= NARR COMEBACK RQST
03	ACKNARR	= NARR MSG ACK RQST
04	ACKDATA	= DATA MSG ACK RQST
05	MSGANNOT	= MSG ANNOT RQST
06	ACKSVC	= ACKNOWLEDGE SERVICE RCVD
07	NOVTRC	= NO VALIDATION TRC
08	GENSVTRM	= GEN SVC MSG TO TERMINAL
09	GENSVBTH	= GEN SVC MSG TO TERM & PRNTR
10	SNDSVTRM	= SEND SVC MSG TO TERMINAL
11	SNDSVPTR	= SEND SVC MSG TO PRNTR
12	NOTCOMM	= NO COMM LINE NEEDED

AMME OPTIONAL SYSTEM CONSTANTS

SPACE = 1 LPP = 44 LPI = 6 MSGBLK = Y SYSRI = RUEP

AMME SYSTEM OPTIONS SELECTED

02 03 04

SYSTEM OPTION LIST

01	HSPSVC	= SVC MSG TO HSP
02	FRTNATGD	= FORCE ROUTE NAT'L GUARD
03	DINRTNG	= ROUTE AUTODIN PLA'S
04	NOSHVAL	= NO SPEC HNDLNG VAL
05	DBLMSG	= DBL SPACE MSG STATS
06		= NOT USED
07	BLKMAGTP	= BLOCKED CC OTC MAG TAPE
08		= NOT USED
09	NOCVCHK	= NO FMT 12 CAVEAT CHK
10	ROUTZDK	= PLA LOOKUP ZDKW CIC
11	LPASS	= NO TFM FOR L SPEC HNDLNG
12	ROUTZOV	= PLA LOOKUP ZOVW CIC

DISTRIBUTION TABLE

RUEPCSV

ACTION: SDSLE ASNC-LKY

INFO: SDSLE

RUEPABE

D E S C O M D I S T R I B U T I O N

ACTION: INFO: / / / / //////

RUEPABB

CSDA EAST

RUEPABD

CSDA EAST

RUEPABA

ACTION: SDSLE ASNC-LKY

INFO: SDSLE

AMME CIRCUIT CONFIGURATION

CMOD NAME	TID NR	LMF TYPE	SEC	IGC MAX	OQC MAX	CGC MAX	RS1	DVC	OPTIONS SELECTED	SSNS STRT	SSNS END	SSNS LAST
DCSV	01	A,T,C,B,D	T,A	0A	FF	00	01/02			0001	9999	0005
CCVA	02	C	T,A	02	03	00	01/03	04		0001	9999	0001
CCVB	03	C	T,A	02	03	00	01/03	06		0001	9999	0001
CCVC	04	C	T,A	02	03	00	01/03	08		0001	9999	9999
CCVD	05	C	T,A	02	03	00	01/03	0A		0001	9999	9999
OCCA	06	C	T,A	03	03	03	01/02		04	0001	9999	9999
OCCB	07	C	T,A	03	03	03	01/02		04	0001	9999	9999
OCPO	08	C	T,A	FF	03	03	01/03			0001	9999	9999
OCPS	09	C	T,A	FF	03	03	01/03			0001	9999	9999
MINT	10	A,T,C,B,D	T,A	FF	03	00	03/04			0001	9999	9999
OCMT	11	C,B,D	T,A	02	03	03	01/03			0001	9999	0005
OCMU	12	C,B,D	T,A	02	03	03	01/03			0001	9999	9999
OCMV	13	C,B,D	T,A	02	03	03	01/03			0001	9999	9999
OPTA	14	T	T,A	02	03	03	01/02			0001	9999	9999
CCVE	15	C	T,A	02	03	00	01/03	0C		0001	9999	0001
CCVF	16	C	T,A	02	03	00	01/03	0E		0001	9999	9999
RMDA	17	T,C	U	03	0A	00	01/03	34	02 05 08 10 11	0001	9999	9999
BNGM	18	A,T,C	T	02	03	00	01/03	42	02 04 05 06 08 10 11	0001	9999	9999
RNJY	19	T,C	S,F	03	0A	00	01/03	2C	02 05 06 08 10 11	0001	9999	0001
RAMO	20	T,C	U	03	0A	00	01/03	30	02 05 08 10 11	0001	9999	0002
SDAA	21	C,B,D	S	FF	FF	00	01/01			0001	9999	9999
SDAP	22	C,B,D	S	FF	FF	00	01/01			0001	9999	9999
SDAS	23	C,B,D	S	FF	FF	00	01/01			0001	9999	9999
SDAE	24	C,B,D	S	FF	FF	00	01/01			0001	9999	9999
SDAD	25	D	U	FF	FF	00	01/01			0001	9999	9999
SDAB	26	B,D	U	FF	FF	00	01/01			0001	9999	9999
SDAC	27	C,D	U	FF	FF	00	01/01			0001	9999	9999
SDAM	28	C,D	U	FF	FF	00	01/01			0001	9999	9999
SDAU	29	C,D	U	FF	FF	00	01/01			0001	9999	9999
SLED	30	C	U	FF	FF	00	01/01			0001	9999	9999
SLSA	31	C	U	FF	FF	00	01/01			0001	9999	9999
SLSB	32	C,D	C	FF	FF	00	01/01			0001	9999	9999
SETC	33	C,D	C	FF	FF	00	01/01			0001	9999	9999
RNHC	34	A,T,C	T	03	0A	00	01/03	48	02 04 05	0001	9999	9999

ENCL 2

									06	08	10				
									11						
RNRV	35	A,T,C	T	03	0A	00	01/03	4A	02	04	05	0001	9999	0001	
									06	08	10				
									11						
RNSS	36	A,T,C	T	03	0A	00	01/03	3C	02	04	05	0001	9999	0001	
									06	08	10				
									11						
RNPR	37	A,T,C	T	03	0A	00	01/03	44	02	04	05	0001	9999	9999	
									06	08	10				
									11						
BGHM	38	A	S	03	0A	00	01/03	38	02	06	08	0001	9999	9999	
									10	11					
BNWV	39	A	U	03	0A	00	01/03	40	02	04	06	0001	9999	9999	
									08	10	11				
SBRH	42	A,T,C	U	FF	FF	00	01/01					0001	9999	9999	
BNLA	44	A,T,C,B,D	T,B	03	0A	00	01/03	1E	02	04	06	0001	9999	9999	
									08	10	11				
BNBF	45	A,T,C	S	03	0A	00	01/03	46	02	05	06	0001	9999	9999	
									08	10	11				
AUEO	46	A,T,C,B,D	T,B	03	0A	00	01/03	00	10			0001	9999	9999	
AUED	47	A,T,C,B,D	T,B	03	0A	00	01/03	02	10			0001	9999	9999	
RNEM	48	T,C	T,B	03	0A	00	01/03	4C	02	04	05	0001	9999	9999	
									06	08	10				
									11						
RNCA	49	A,T,C	T	03	0A	00	01/03	50	02	04	05	0001	9999	9999	
									06	08	10				
									11						
RMTN	51	T,C	U	03	0A	00	01/03	2E	02	05	08	0001	9999	9999	
									10	11					
RDSD	52	T,C	U	03	0A	00	01/03	32	02	05	08	0001	9999	9999	
									10	11					
RSRA	53	A,T,C	T,B	03	0A	00	01/03	20	02	05		0001	9999	0035	
RNFI	54	A,T,C	T	03	0A	00	01/03	3A	02	04	05	0001	9999	9999	
									06	08	10				
									11						
SLEE	55	C,B,D	T,B	FF	FF	00	01/01					0001	9999	9999	
SLEF	56	C,B,D	T	FF	FF	00	01/01					0001	9999	9999	
SLEG	57	C,B,D	T	FF	FF	00	01/01					0001	9999	9999	
SLEH	58	C,B,D	T	FF	FF	00	01/01					0001	9999	9999	
SLEI	59	C,B,D	T	FF	FF	00	01/01					0001	9999	9999	
STFM	60	A,T,C,B,D	T,A	FF	FF	00	01/01					0001	9999	9999	
QCAR	61	A,T,C	T,B	03	01	FF	01/03					0001	9999	0001	

CIRCUIT OPTION LIST

01	GENSVLOW	= GEN SVC PRIORITY MSG & BELOW
02	NARRCMBK	= NARR COMEBACK RQST
03	ACKNARR	= NARR MSG ACK RQST
04	ACKDATA	= DATA MSG ACK RQST
05	MSGANNOT	= MSG ANNOT RQST
06	ACKSVC	= ACKNOWLEDGE SERVICE RCVD
07	NOVTRC	= NO VALIDATION TRC
08	GENSVTRM	= GEN SVC MSG TO TERMINAL
09	GENSVBTH	= GEN SVC MSG TO TERM & PRNTR
10	SNDSVTRM	= SEND SVC MSG TO TERMINAL
11	SNDSVPTR	= SEND SVC MSG TO PRNTR
12	NOTCOMM	= NO COMM LINE NEEDED

AMME OPTIONAL SYSTEM CONSTANTS

SPACE = 1 LPP = 44 LPI = 6 MSGBLK = Y SYSRI = RUEP

AMME SYSTE1 OPTIONS SELECTED

02 03 04

SYSTEM OPTION LIST

01	HSPSVC	= SVC MSG TO HSP
02	FRTNATGD	= FORCE ROUTE NAT'L GUARD
03	DINRTNG	= ROUTE AUTODIN PLA'S
04	NOSHVAL	= NO SPEC HNDLNG VAL
05	DBLMSG	= DBL SPACE MSG STATS
06		= NOT USED
07	BLKMAGTP	= BLOCKED CC OTC MAG TAPE
08		= NOT USED
09	NOCVCHK	= NO FMT 12 CAVEAT CHK
10	ROUTZDK	= PLA LOOKUP ZDKW CIC
11	LPASS	= NO TFM FOR L SPEC HNDLNG
12	ROUTZOV	= PLA LOOKUP ZOVW CIC

DISTRIBUTION TABLE

RUEPCSV

ACTION: SDSLE ASNC-LKY

INFO: SDSLE

RUEPABE

D E S C O M D I S T R I B U T I O N

ACTION: INFO: / / / / //////

RUEPABB

CSDA EAST

RUEPABD

CSDA EAST

RUEPABA

ACTION: SDSLE ASNC-LKY

INFO: SDSLE

•••••UNCLASSIFIED•••••

••AVAILABILITY DISPLAY••DATE: 245 TIME: 182049

ID	CMOD	HW/PT	STAT	ID	CMOD	HW/PT	STAT	ID	CMOD	HW/PT	STAT	ID	CMOD	HW/PT	ST T
02	CCVA	04/04	CON	03	CCVB	06/06	DD	04	CCVC	08/08	DD	05	CCVD	0A/0A	ADU
06	OCCA	0E0	UD	06	OCCA	0C0	UD	07	OCCB	090	UD	07	OCCB	0A0	UD
08	OCPO	0B0	DU	09	OCPS	0F0	DU	10	MINT		DD	11	OCMT		DD
12	OCMU		DD	13	OCMV		DD	14	OPTA	0D0	UD	14	OPTA	0D0	UD
15	CCVE	0C/0C	DD	16	CCVF	0E/0E	DD	17	RMDA	34/34	DD	18	BNGM	42/42	DD
19	RNJY	2C/2C	DD	20	RAMO	30/30	DD	21	SDAA		DD	22	SDAP		DD
23	SDAS		DD	24	SDAE		DD	25	SDAD		DD	26	SDAB		DD
27	SDAC		DD	28	SDAM		DD	29	SDAU		DD	30	SLED		DD
31	SLSA		DD	32	SLSB		DD	33	SETC		DD	34	RNHC	48/48	DD
35	RNRV	4A/4A	DD	36	RNSS	3C/3C	DD	37	RNPR	44/44	DD	38	BGHM	38/38	DD
39	BNWV	4C/40	DD	44	BNLA	1E/1E	DD	45	BNBF	46/46	DD	46	AUEO	00/00	UD
47	AUEO	02/02	UU	48	RNEM	4C/4C	DD	49	RNCA	50/50	DD	51	RMTN	2E/2E	DD
52	RDSO	32/32	DD	53	RSRA	20/20	DD	54	BNFI	3A/3A	DD	55	SLEE		DD
56	SLEF		DD	57	SLEG		DD	58	SLEH		DD	59	SLEI		DD
60	STF*		DD	61	QCAB		DD								

MAGNETIC TAPES

290 UU 291 UU 292 UU 293 UU 294 UU 295 UU 296 UU 297
298 UU

ENCL 3

DATE 245-86 TIME: 18:20:55 ALT-ROUTE STATUS REPORT PAGE 001

TERM NAME	MARR	LNF C	LNF B	LNF D	LNF I	SCTY UP	PREC UP	PREC CM	CMOD ALT	CARR DSRI
DCSV	OCPO	OCCA								
OCCA	OCPS	OCCB								
OCCB	OCPO					R••SLEE				
MINT							Z•DCSV			
OCMT							Z•DCSV			
OCMU							Z•DCSV			
OCMV							Z•DCSV			
OPTA						U••DCSV				
RMDA		DCSV								
RAMO		DCSV								
SDAE	RMDA						Z•DCSV			
SDAD	RMDA	DCSV	SDAB			E••SDAE	Z•DCSV			
SDAB	RMDA	DCSV				E••SDAE	Z•DCSV			
SDAC	RMDA		SDAB			E••SDAE	Z•DCSV			
SDAM	RMDA		SDAB	SDAD	SDAB	E••SDAE	Z•DCSV			
SDAU	RMDA		SDAB			E••SDAE	Z•DCSV			
SLED	DCSV			DCSV		E••DCSV	Z•DCSV			
SLSA	DCSV			DCSV		E••DCSV	Z•DCSV			
SLSB	DCSV					E••DCSV	Z•DCSV			
SETC	DCSV					E••DCSV	Z•DCSV			
RMTN		DCSV								
RDSO		DCSV								
RSRA									DCSV	
SLEF	DCSV					E••DCSV	Z•DCSV			
SLEG	DCSV					E••DCSV	Z•DCSV			
SLEH	DCSV					E••DCSV	Z•DCSV			
SLEI	DCSV					E••DCSV	Z•DCSV			

ENCL 4

APPENDIX C

MEMORANDUM

DEPARTMENT OF THE ARMY
HEADQUARTERS, US ARMY INFORMATION SYSTEMS ENGINEERING COMMAND
FORT HUACHUCA, ARIZONA 85613-5300

REPLY TO ATTENTION OF

S: 30 November 1988

ASB-TEP-B (25-100)

MEMORANDUM FOR: Director, U.S. Army Information Systems Software Development Center-Huachuca, ATTN: ASBIH-CSC, Ft Huachuca, AZ 85613-5450

SUBJECT: Conditional Certification of the Automated Multi-Media Exchange (AMME) 5.0.1.4 System at 4800 Baud

1. Formal Defense Communications Agency (DCA) Category III certification testing of the Automated Multi-Media Exchange (AMME) 5.0.1.4 system was conducted at the Letterkenny Army Depot (LEAD) AMME Facility, Chambersburg, PA, on 25 Aug 88. Purpose of the test was to achieve DCA certification of the LEAD AMME 5.0.1.4 system/Automatic Digital Network (AUTODIN) interface at 4800 baud.

2. Based on the low 4800 baud line efficiency test results delineated in paragraph three below, the LEAD AMME 5.0.1.4 system was awarded a DCA Conditional Test Certificate. Details of the test and the Conditional Test Certificate will be provided by DCA Washington at a later date. It is anticipated that DCA will issue a ninety-day Conditional Test Certificate.

3. The following results of the line efficiency tests at 4800 baud are provided for your information and action as required. In accordance with DCA Circular 370-D195-3, March 1987, the line efficiency for transmit and receive must be at least ninety percent. Lower efficiency indicates excessive hardware or software delay. Consequently, the hardware or software must be improved or the operational line speed lowered until the terminal can operate at an efficiency of ninety percent or greater.

(1) Half Duplex --- Transmit - 84 percent
Receive - 80 percent

(2) Full Duplex --- Transmit - 80 percent
Receive - 77 percent

4. The attached Technical Acceptance Recommendation (TAR) identifies the conditional certification of the LEAD AMME 5.0.1.4 system as an "exception" at 4800 baud (see page 4, para 2 of the TAR). This command's test engineer has designated your center as the suggested action agency responsible for resolving the exception. Request this command be provided a solution to the problem by 30 Nov 88 so that we may provide DCA Washington a response in a timely manner.

ASB-TEP-B SEP 13 1988

SUBJECT: Conditional Certification of the Automated Multi-Media Exchange (AMME) 5.0.1.4 System at 4800 Baud

5. Point of contact for this action is Mr. Friar, AUTOVON 879-7653 or FTS 769-7653. DDN address is ASQT-TE@HUACHUCA-EM.ARPA.

FOR THE COMMANDER:

Encl

LAWRENCE E. CORK
Director, Test & Evaluation

CF:
Director, USAISC-LEAD, ATTN: ASNC-LKY-DO/ASNC-LKY-DOLA, Letterkenny Army Depot, Chambersburg, PA 17201
Commander, Defense Communications Agency, ATTN: Code B670 (Mr. Howard), Washington DC 20305-2000

Dir, PID

TECHNICAL ACCEPTANCE RECOMMENDATION (SUMMARY) (CCCR-702-2)		PAGE 1 OF 6 PAGES DATE (DAY, MO, YEAR) 2 September 1988
PROJECT/CONTRACT NO. DAEA26-86-D-0003	TITLE LEAD AMME 5.0.1.4	LOCATION Letterkenny Army Depot Chambersburg, PA 17201

FACILITY LEAD AMME	TEST DIRECTOR Richard G. Frias
OPERATING UNIT USAISC-LEAD ATTN: ASNC-LKY-DOLA Chambersburg, PA 17201	ENGINEERING ELEMENT N/A
INSTALLATION ELEMENT USAISSDC-H ATTN: ASBIH-CSC Ft Huachuca, AZ 85613-5450	TESTING ELEMENT USAISEC ATTN: ASB-TEP-B Ft Huachuca, AZ 85613-5300
SOFTWARE ELEMENT (WHEN APPLICABLE) USAISSDC-H ATTN: ASBIH-CSC Ft Huachuca, AZ 85613-5450	OTHER ELEMENT/PARTICIPANT/WITNESS/OBSERVER (IDENTIFY) UNISYS Corporation (Participant) 4226 Avineda Cochise Sierra Vista, AZ 85635

PROJECT DESCRIPTION (MAY BE CONTINUED IN REMARKS)

To conduct onsite test and implementation of the LEAD AMME 5.0.1.4 system and preliminary/final DCA Category III certification testing of the LEAD AMME/GSA WANG interface, and the LEAD AMME/AUTODIN interface at 4800 baud.

This Technical Acceptance Recommendation is executed by the onsite representatives of the installation, test and operating agencies. It does not constitute official acceptance of the project but does certify that the MAJOR ITEMS INSTALLED AND DOCUMENTATION PROVIDED are as stated herein. This document further certifies that the project has been installed and performs satisfactorily in accordance with the requirements listed under REFERENCES except as noted under EXCEPTIONS and REMARKS. Upon execution of this TECHNICAL ACCEPTANCE RECOMMENDATION, USACEEIA considers this project complete except for such follow-on action as may be necessary to clear the EXCEPTIONS noted herein.

TECHNICAL ACCEPTANCE RECOMMENDATION (DOCUMENTATION)	PAGE 3 OF 6 PAGES
	TITLE LEAD AMME 5.0.1.4

PROJECT DOCUMENTATION PROVIDED

DOCUMENT NUMBER	TITLE OF DOCUMENT	NO. OF COPIES
ASISM 25-19-4	Information Management, United States Army Telecommunications Automation Program (ATCAP), Automated Multi-Media Exchange (AMME) (Software Release 5.0), Operator Instruction Manual Volume II-B, 05 February 1988.	2

TECHNICAL ACCEPTANCE RECOMMENDATION (EXCEPTIONS)	PAGE 4 OF 6 PAGES
	TITLE LEAD AMME 5.C.1.4

EXCEPTION	SUGGESTED ACTION AGENCY
1. The two remote terminals identified below were not tested with the LEAD AMME 5.0.1.4 system due to non availability of an operator at the terminal end of the circuit. The Operational and Maintenance (O&M) Command (USAISC-LEAD), will be responsible for resolving this exception. BNGM - SRT MART, Selfridge ANGB, MI BNBF - SRT MART, West Palm Beach, FL	USAISC-LEAD
2. The LEAD AMME 5.0.1.4 system was awarded a "conditional" DCA Category III certification on 25 Aug 88, for on-line operation into the DCS AUTODIN at 4800 baud.	USAISSDC-H
3. The UNISYS Model 0716 Card Reader was received at the LEAD AMME Facility on 1 Sep 88. UNISYS Corporation will install this peripheral device at a later date. The O&M Command will be responsible for conducting the hardware acceptance test on behalf of USAISEC. A copy of the test plan was provided to Mr. Kieffer on 2 Sep 88. Request USAISC-LEAD provide serial number and test results to: CDRUSAISEC ATTN: ASB-TEP-B (Mr. R. Frias) Ft Huachuca, AZ 85613-5300	USAISC-LEAD

TECHNICAL ACCEPTANCE RECOMMENDATION (REMARKS)	PAGE 5 OF 6 PAGES
	TITLE LEAD AMME 5.0.1.4

REMARKS

1. This Technical Acceptance Recommendation (TAR) does not constitute official acceptance of this project but does certify that the major items installed are as stated. It further certifies that the project has been installed and performs satisfactorily, in accordance with (IAW) the requirements, except as noted under the exceptions listed on page 4 of this TAR.

2. Quality Assurance (QA) and acceptance testing of the LEAD AMME 5.0.1.4 system was conducted IAW the Automated Multi-Media Exchange (AMME) Test Plan, USAISESA Publication No. ASC-QA-85-TP-024, May 85.

3. DF, ASNC-LKY-DOLA, 30 Aug 88, subject: Review of AMME 5.0.1.4 Circuit Configuration Report, is attached to this TAR as enclosure 1 for informational purposes only. This DF reflects the LEAD AMME 5.0.1.4 configuration as of 30 Aug 88. The LEAD AMME 5.0.1.4 system is configured as stated therein.

4. A copy of the following printouts from the LEAD AMME 5.0.1.4 "live" system are provided for informational purposes as enclosures 2, 3, and 4, respectively:

(1) AMME Circuit Configuration
(2) Availability Display
(3) Alt-route Status Report

5. All exceptions identified in the Hardware Acceptance TAR dated 22 Jun 88, were reverified during the test and implementation of the LEAD AMME 5.0.1.4 system. Those exceptions are considered closed.

6. The GSA WANG terminal at Hagerstown, MD, was awarded DCA Category III certification on 24 Aug 88, for on-line operation into the DCS AUTODIN via the LEAD AMME 5.0.1.4 system.

7. The LEAD AMME 5.0.1.4 system was awarded a "conditional" DCA Category III certification on 25 Aug 88, for on-line operation into the DCS AUTODIN at 4800 baud. Details of the conditional certification will be provided by DCA Washington at a later date. This discrepancy is documented as an exception to this TAR pending corrective action by USAISSDC-H, Ft Huachuca, AZ.

8. Operator proficiency in the operation of the LEAD AMME 5.0.1.4 system was observed during the test and implementation period 16 Aug - 2 Sep 88. There are a sufficient number of O&M AMME operators to effectively operate the LEAD AMME 5.0.1.4 system.

9. The exceptions listed on page 4 of this TAR may have a minor impact on the LEAD AMME 5.0.1.4 operating system.

10. Initial Operating Capability (IOC) of the LEAD AMME 5.0.1.4 system was achieved at 1919 Greenwich Mean Time (GMT), 1 Sep 88.

TECHNICAL ACCEPTANCE RECOMMENDATION (COORDINATION)	PAGE 6 OF 6 PAGES
	TITLE LEAD AMME 5.0.1.4

Installation has been completed ~~without~~ (with noted) exceptions and assistance provided as required for conduct of Acceptance Tests.

INSTALLATION ELEMENT	SIGNATURE
USAISSDC-H ATTN: ASBIH-CSC Ft Huachuca, AZ 85613-5450	PRINTED NAME AND TITLE Alan P. Libasci Computer Systems Programmer

Acceptance Tests and Quality Assurance are complete for the equipment/software installed under this project. Technical acceptance (is) ~~(is not)~~ recommended.

TEST ELEMENT	SIGNATURE
USAISEC ATTN: ASB-TEP-B Ft Huachuca, AZ 85613-5300	PRINTED NAME AND TITLE Richard G. Frias Test Engineer

Installation and Acceptance Tests have been observed or monitored and this form has been coordinated as specified below.

SOFTWARE ELEMENT (WHEN APPLICABLE)	SIGNATURE
USAISSDC-H ATTN: ASBIH-CSC Ft Huachuca, AZ 85613-5450	PRINTED NAME AND TITLE Alan P. Libasci Computer Systems Programmer
OTHER APPLICABLE ELEMENT (IDENTIFY)	SIGNATURE
UNISYS Corporation (Participant) 4226 Avineda Cochise Sierra Vista, AZ 85635	PRINTED NAME AND TITLE Clyde R. Wilson Applications Analyst
OPERATING UNIT (SITE)	SIGNATURE
USAISC-LEAD ATTN: ASNC-LKY-DOLA Chambersburg, PA 17201	PRINTED NAME AND TITLE Lester B. Kieffer Act Ch, Opns Div
OPERATING COMMAND	SIGNATURE
Dir, USAISC-LEAD ATTN: ASNC-LKY-DO Chambersburg, PA 17201	PRINTED NAME AND TITLE Robert F. Bukovec Dir Opns & Integr

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(Rev 15 May 82) Previous edition 1 Jan 79 may be used until exhausted.

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